



Mobile Computer AG-90Gex and - Kex with external RFID Reader

Technical data

Keyboard version	available with 28, 33, 43 and 53 keys
Display	3.8", 1/4 VGA colour display with touchscreen 240 x 320 pixels
LF Reader	Nominal read/write range approx. 5 cm (1.9 inch) Antenna integrated in the modul Frequency range 125/134 KHz (automatic switched by the reader)
Barcode options	
AG-90Kex	SE 950: 1D-Standard Range Scan Engine Reading range: approx. 10 cm up to 120 cm SE 4400: 1D-/2D-Imager Engine Reading range: approx. 6 cm up to 50 cm
AG-90Gex	SE 1524: 1D-Long Range Scan Engine Reading range: approx. 10 cm up to 12 m
Dimensions (length x width x height)	
AG-90Kex	231 mm x 91 mm x 105 mm (9.1 inch x 3.6 inch x 4.1 inch)
AG-90Gex	231 mm x 91 mm x 193 mm (9.1 inch x 3.6 inch x 7.6 inch)
Weight	
AG-90Kex	approx. 1020 g (approx. 36 oz)
AG-90Gex	approx. 1140 g (approx. 40 oz)
Ambient temperature	-20 °C up to +40 °C (-4 °F up to +104 °F)
Surface temperature	-40 °C up to +70 °C (-40 °F up to +158 °F)
Charging temperature	0 °C up to +40 °C (+32 °F up to +104 °F)
Humidity	5 % to 95 % (non-condensing)
Protection class (EN 60529)	IP 54
CPU	Intel® XScale™ PXA270 prozessor/624 MHz
Memory	128/128 MB RAM/ROM option of expansion with SD card: 512 MB, 1 GB or 2 GB
Operating system	Windows Mobile 2005
Power supply	Li-ion battery B7-A2Z0-0001 with 7.4 V/ 2200 mAh Battery can only be charged and changed in the safe area!
Backup Battery	Ni-MH battery (rechargeable) 3.6 V/15 mAh

Description

The AG-90Gex & Kex Mobile Computer is a robust device for reliably scanning barcodes and reading RFID tags in hazardous areas.

The scan trigger is positioned in such a way that barcodes and RFID tags can be captured very conveniently. The integrated radio module enables real time data access to your host system.

The AG-90Gex & Kex combines the strength of Microsoft's Pocket PC platform with the power of the Intel® XScale™ PXA270 processor with 624MHz.

A further highlight is the large easy-to-read 1/4

The AG-90Gex & Kex is working with the IEEE802.11 a/b/g (Direct sequence).

Features

- International approvals for global usability
- WLAN radio standard IEEE 802.11 a/b/g
- Battery can be changed easily by the user
- Expanded storage capacity with replaceable SD card
- Choice of various replaceable keyboard variants
- Service contracts

Explosion protection

Ex protection type Zone 2

II 3G Ex nA [nL] IIC T4
-20 °C ≤ Ta +50 °C

Ex protection type Zone 22

II 3G Ex tD A22 IP 54 T90 C
-20 °C ≤ Ta +50 °C

Other variants are available for:

- Europe
ATEX Zone 1 and ATEX Zone 2/22
- North America
UL Class I, II, III Div 1 or 2

Photos non contractuelles

Les spécifications sont données à titre indicatif ; elles sont susceptibles d'être modifiées sans préavis.

Toutes les marques citées sont déposées par leurs propriétaires respectifs.

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Interfaces

- RS232
- USB

Application development

SDK option

Audio system

integrated microphone and loudspeaker

■ **Wireless data communication (WLAN)**

Radio standard

IEEE 802.11a/b/g

Data rate/Frequency range

IEEE802.11a: up to 54 Mbit/s - 5 GHz

IEEE802.11b: up to 11 Mbit/s - 2.4 GHz

IEEE802.11g: up to 54 Mbit/s - 2.4 GHz

Output power

100 mW (international)

Antenna

integrated in the device

Note

The use of channels and frequencies is subject to country-specific regulations.

■ **Bluetooth (WPAN)**

Bluetooth Version 1.2 with BT Explorer (manager included)

Maximum data rate

1 Mbit/s

Antenna

integrated in the device

Standards supported through Firmware

Btrw-rw.V.1.40.frm	Btrw-hdx.V.1.40.frm	Btrw-ti.V.1.40.frm
HITAG S256	HDX -RO	EM 4450/4550
HITAG S 2 kbit	HDX (Multipage)	EM4xxx (UNIQUE)
HITAG 1	EM4xxx (UNIQUE)	FDX-B
HITAG 2	FDX-B	BDE
Q5	BDE	ISO 11784/5
ATA5567	ISO 117845	ISO Animal
EM4305	ISO Animal	

Mobile Computer AG-90Kex / AG-90Gex

1D-Codes:

Code 11	Interleaved 2 of 5
Code 39	MSI
Code 93	UPCA
Code 128	UPCE
Codabar	UPC/EAN supplementals
Coupon Code	Trioptic 39
Chinese 2 of 5	RSS-14
Discrete 2 of 5	RSS Expanded
EAN-8	RSS Limited
EAN-13	Webcode

Mobile Computer AG-90Kex

2D-Codes:

Aztec	(Macro) Micro PDF-417
Australian 4-state	Micro PDF-417 PDF-417
Canadian 4-state	microQR
Composite AB	Maxi Code
Composite C	QR Code
Chinese 2 of 5	TLC39
Data Matrix	UK 4-state
Dutch Kix	US Planet
Japanese 4-state	US Postnet
Macro PDF-417	USPS 4-state (US4CB)

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